SVOBODA, M.; PUCHTA, V.; JIRICKA, Z.

Early tolerance to acetrizoate and diatrizoate. (Experimental study). Cas. lek. cesk. 104 no.31:840-844 30 Jl '65.

1. Ustav hematologie a krevni transfuze v Praze (reditel prof. dr. J. Horejsi, DrSc.) a Farmakologicky ustav Ceskoslovenske akademie ved v Praze (reditel prof. dr. H. Raskova, DrSc.).

JIRICKA, Z., Dr.; PROKSAN, F., Dr.

Unusual cause of Pancoast-Tobias syndrome. Cas. lek. cesk. 94 no.26:718-719 24 June 55.

1. Z interni kliniky hyg. epid. smeru LFKU, prednosta prof. MUDr. Vratislav Jonas a z prosektury statni fakultni nemocnice v Praze 12, prednosta prim. MUDr. J. Stolz.

(PANCOAST SYNDROME, etiology and pathogenesis
inflamm. of lung after tuberc.)
(TUBERCULOSIS, PULMONARY, complications
inflamm. process causing Pancoast synd.)

JIRICKA, Zdenek, inz.

Grinding flat threads on the Soviet MM 582 grinding machine.
Stroj vyr 11 no.5:258 My '63.

1. Adamovske strojirny, n.p., Adamov.

SVIHOVEC, J.; MASEK, K.; JIRICKA, Z.

Mechanism of the effect of staphylococcus toxin on blood pressure. Physiol. bohemoslov. 12 no.1:51-54 '63.

1. Department of Pharmacology, Faculty of Paediatrics, Prague, and Central Pharmacology Laboratories, Czechoslovak Academy of Sciences, Prague.

(STAPHYLOCOCCUS) (TOXINS AND ANTITOXINS) (BLOOD PRESSURE)
(ADRENAL GLANDS) (CATECHOLAMINES)

JIRICKE, L.

The OPD 25 oscillograph for slow-speed wave forms.

P. 28. (SLABOPROUDY OBZOR) (Praha, Czechoslovakia) Vol. 19, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

CZECHOSLOVAKIA UDC 616.2-097.2-057

HLAVACEK, V.; PASKOVA, Z.; JIRICNY, J.; Otolaryngological Clinic Medical Faculty of Hygiene, Charles University (Otolaryngologicka Klinika Lek. Fak. Hygienicke KU), Prague, Head (Prednosta) Prof Dr. V. HLAVACEK; Department for Allergic Diseases, Faculty Hospital (Alergologicke Oddeleni Fakultni Nemocnice), Prague 10, Head (Primar) Dr B. HODEK.

"Investigations of Occupational Allergies of the Respiratory Pathways."

Prague, Casopis Lekaru Ceskych, Vol 105, No 31, 9 Aug 66, pp 837 - 842

Abstract [Authors' English summary modified]: Evaluation of occupational allergies was made in 230 patients. Allergies are caused either by noxious substances or by primary irritants. Classification of various occupations according to frequency of allergies caused in personnel is given. Sensitizing agents occurring in working places and at home are discussed. Influence of heredity is evaluated. Preventive measures are described. 3 Tables, 3 Western, 2 Czech, 1 East German reference. (Manuscript received Jan 66).

1/1

JIRICNY, Jan

Plimasin & sandosten calcium Sandoz in therapy of vasomotor rhinitis. Cesk. otolar. 7 no.4:223-228 Aug 58.

1. ORL klinika hygienicke fakulty KU, prednosta prof. Dr. V. Hlavacek.
(RHINITIS, ther.
methylphenidylacetate with tripelennamine & sandostene in vasomotor rhinitis (Cz))
(METHYLPHENIDYLACETATE, ther. use
rhinitis, vasomotor, with tripelennamine & sandostene (Cz))
(TRIPELENNAMINE, ther. use
rhinitis, vasomotor, with methylphenidylacetate & sandostene (Cz))
(ANTIHISTAMINICS, ther. use
sandostene in vasomotor rhinitis, with methylphenidylacetate (Cz))

GLAVACHEK, V. [Hlavacek, V.] (Praga); YIRZHICHNY, Y. [Jiricny, J.] (Praga)

Hormone therapy of allergic rhinitis. Zhur.ush., nos.i gorl.bol. 21 no.6:10-14 N-D '61. (MIRA 15:11)
(HORMONE THERAPY) (ALLERGY) (NOSE--DISEASES)

VRBICKY, Vaclav, inz.; JIRIK, Otto, inz.

Methods of determining the passenger traffic in railroad stations.
Doprava no.3:176-180 '63.

MLADEJOVSKY, Miroslav, inz.; JIRIK, Otto, inz.

Development of the railroad network of the Ostrava Junction. Zel dop tech 11 no.10:302-303, 311 '63.

CEJKA, Milan; JIRIK, Vladimir; KRYZE, Branko

Current status of the production and use of petroleum products. Prac. lek. 7 no.8:366-370 O '65.

1. Benzina, n.p., Praha; Ustav hygieny, Praha; Ministerstvo zdravotnictvi, Praha.

STEPANEK, M.; BINOVEC, J.; CHALUPA, J.; JIRIK, V.; SCHMIDT, P.; ZELINKA, M.

Problems of water blooms in hygiene of water. II Water blooms on Czechoslovak reservoirs and ponds. Cesk. hyg. 9 no.4: 209-215 My'64

1. Ustav hygieny, Praha.

JIRIK, Vl.

Personal hygiene. Cesk. hyg. 7 no.6:340-342 Jl '62.
(DERMATOLOGY) (HYGIENE) (OCCUPATIONAL DERMATITIS prev & control)

JIRIK, Z.

Some experience from examination of standardization for producers in the light-food industry equipment. p. 40

NORMALIZACE. (Urad pro normalizac) Praha, Czechoslovakia, Vol. 7, no. 3, Sept. 1959

Monthly List of East European Accessions(EEAI), LC. Vol. 9, no. 2, Feb. 1960

Uncl.

JIRIKOVA, D.; RUBIN, A.

Diagnosis and therapy of streptococcal infections in children's centers with long-term observation at home and in children's homes. Cesk. pediat. 17 no.11:1008-1112 N '62.

1. Statni sanatorium v Praze, detske oddeleni.
(STREPTOCOCCAL INFECTION)

JIRIKOVA-PESINOVA, D.

BRADAC, O;BRACHFELDOVA, J;JIRIKOVA-PESINOVA, D.

Mortality in children within 24 hours after admission into the hospital. Pediat. listy, Praha 7 no.2:97-102 Mar-Apr 1952.
(CLML 22:2)

1. Of the Second Pediatric Clinic (Head--Prof. J. Brdlik, M. D.) of Charles University, Prague.

JIRINA, F.

"Lubrication of Diesel Engines." p. 380.
(MECHANISACE, Vol. 2, No. 9, Sept. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

JIRINA, F.

"Advisory Council on Mechanization of Building in August." p. 381, (MECHANISACE, Vol. 2, No. 9, Sept. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4 No. 5, May 1955, Uncl.

JIRINA, F.

"Lignite Instead of Coke and Coal in the Building Industry." p. 239. Praha, Vol. 3, no. 7, July 1953.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

JIRINA, F.

E. Safr and A. Dyk's Technika mazani v prumyslovych zavodech (Lubrication Technique in Industrial Enterprises). p. 283.
(Energetika, Vol. 6, no. 6, June 1956. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6, June 1957. Uncl.

JIRINA, F.

Why is machine lubrication an important maintenance component? A feuilleton about small causes and big consequences, and about things which people do not know, or, are about things in which they are not interested. p. 403.

STAVIVO. (Ministerstvo stavebnictvi) Praha, Czechoslovakia, Vol. 36, no. 10, Oct. 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959 uncla.

JIRINA K. O octkovani zvirat proti tetanu The inoculation of animals against tetanus
Vojenske Zdravotnicke Listy, Prague (Czechoslovakia) 1947, 16/4 (165-168)

The author investigated experimentally preventive inoculation of horses against tetanus, according to the method of Descombey, using tetanus toxoid with additional substances to increase the immunity produced. He used the formol toxoid (prod. of the State Institute of Health, Prague), tetatoxoic 'Asid' and the formol toxoid of Behring. Two injections of 10 cc of anatoxin (or 5 cc of tetatoxoid 'Asid') were given at an interval of four weeks. The animal became immune 14 days after the second injection. The immunization of all horses in a tetanus area is strongly recommended. Tetanus anatoxoid may be given as an emergency measure in cases of deep injuries, dirty wounds, and before surgical operations. Ten cc (or 5 cc) of the formol-toxoid should be given and at least 50,000 UA units of tetanus serum should be administered at the same time. The author recommends for treatment 250,000 U A units of serum repeated daily as well as sedative, protein therapy and cardiac stimulants.

Kolda-Prague

SO: Medical Microbiology and Hygiene, Section IV, Vol. I, #1-6

JIRINA, K.

Pathologic and anatomic findings in serum horses and sheep. Cas. cesk.vet. 5 no.22-23:549-560 10 Dec 50. (CLML 20:6)

JIRINA, K.

Use of gas chamber in veterinary medicine. Voj.zdrav.listy 19 no.11-12:290-291 Nov-Dec 50. (CLML 20:5)

JIRINA, K.

Breeding of experimental rats. Biol. listy 32 no.1:41-46 June 1951. (CIML 21:1)

EXCERPTA MEDICA Sec.17 Vol.4/2 Public Health,etc.Feb58

JIRINA, K.

535. CONTRIBUTION TO HYGIENE AND SAFETY OF WORK IN A SLAUGHTER-HOUSE. Příspěvek k hygieně a bezpečnosti práce na jatkách. Jiřina K. PRACOVNÍ LÉK. (Praha) 1956, 8/6 (429-430)

To diminish the risks inherent in work in abattoirs the following principles should be applied. Cattle should be led, not pushed forward, especially in the reception department. In the whole establishment, but especially in the slaughtering hall proper conditions of temperature and humidity should be maintained. In the rooms, where the entrails are dealt with, the excrements should be collected in special wellclosed reservoirs. Meat, certified unsuitable for consumption, should be transported in special water-tight carts. The dung-pit should be covered with a roof and be treated with disinfectants. Working hours should not surpass 6 hr. per day. The men should not work under artificial lighting. The fight against noise is also very important. The noise is caused by the stunning gun in the slaughtering hall and by the loudspeakers. Wolf - Prague

CZECHOSLOVAKIA / Zooparasitology - Parasitic Protozoa. G-1

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 81652

Author : Jirina, K.
Inst : Not given
Title : Trypanosomiasis of White Rats and Hamsters

Orig Pub : Chovatel, 1957, No 3, 46

Abstract : The causative agent of the disease in white and gray rats is Trypanosoma lewisi, in hamsters, T. criceti. They are transmitted through fleas and lice. The fleas from the intestinal tract, expelled with excrement, can transmit trypanosoma through rats orally and end up by way of mouth mucus into the body. The severe stage occurs when trypanosoma appear in the blood plasma on the 2 - 4 - 7th day. The chronic stage is characterized by a decrease of trypanosoma in plasma. Upon their disappearance a lengthy immunity develops. -- T. N. Timofeyeva

Card 1/1

JIRINA, K.

"Finds of medieval horse shoes in the Podebrady region"

Cesky Lid. Praha, Czechoslovakia. Vol. 46, no. 2, 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

JIRINA, M.

J. L. Doob's Stochastic Processes; a book review. p. 257
CASOPIS PRO PESTOVANI MATEMATIKY
Vol. 81, no. 2, May 1956
Czechoslovakia

SOURCE: EEAL, Vol, 5, no. 11, Nov. 1956

4912:

Jiřina, Miloslav; and Nedoma, Jiří. Minimax solution of sampling inspection plan. Apl. Mat. 1 (1956), 296–314. (Czech. Russian and English summaries)

For given lot-size N, process average fraction defective $\bar{p}$ and conditions $H(p_L, c, n, N)=\varepsilon$ or

$$\max_{0\leq p\leq 1} H(p, c, n, N)(1-n/N)p=p_L,$$

where $H(p, c, n, N)$ is the probability of accepting the lot of size N with lot fraction defective p by the acceptance number c and the sample size n, a sampling inspection plan with complete inspection of rejected lots, minimizing the expression $\max_{F\in\mathcal{F}(\bar{p})} I(c, n, N, F)$, is presented. The value $I(c, n, N, F)=N-(N-n)\int_0^1 H(p, c, n, N)dF(p)$ corresponds to the average number of pieces inspected per lot if the fraction defective p is distributed according to the distribution function $F(p)$. $\mathcal{F}(\bar{p})$ denotes the system of all distribution functions satisfying $\int_0^1 dF(p)=1$ and $\int_0^1 pdF(p)=\bar{p}$. Charts and tables are given to find the sample size n and the acceptance number c for the plan described.

J. Janko (Prague)

MILOSLAV JIŘINA

Jiřina, Miloslav. The asymptotic behaviour of branching stochastic processes, Czechoslovak Math. J. 7(82) (1957), 130–153. (Russian. English summary)

Die Arbeit behandelt das asymptotische Verhalten von n-dimensionalen stationären Markoffschen verzweigten Prozessen im Fall $R<1$, wobei R der größte Eigenwert der Matrix A der ersten Momente sei. Im Fall diskreter Parameter seien $P_\alpha^\beta(t)$ die Übergangswahrscheinlichkeiten, also α und β Vektoren mit n nichtnegativen ganzzahligen Komponenten. ε_i bedeute den i-ten Einheitsvektor $(0, \cdots, 0, 1, 0, \cdots, 0)$, $F_i(t, x) = \sum_\alpha P_{\varepsilon_i}^\alpha(t) x_1^{\alpha_1} \cdots x_n^{\alpha_n}$ die erzeugenden Funktionen, $A_{ij}(t) = \sum_\alpha \alpha_j P_{\varepsilon_i}^\alpha(t)$ die Matrix der ersten Momente, so daß $A = (A_{ij}(1))$ wird, μ und ν einen rechten und linken zu R gehörigen Eigenvektor von A mit $\sum_i \mu_i \nu_i = 1$ und $Q_i(t) = 1 - P_{\varepsilon_i}^0(t)$ die Wahrscheinlichkeit dafür, daß der Prozeß vom Zustand ε_i aus zur Zeit t nicht ausstirbt. Ist nun A primitiv und irreduzibel und sind auch alle zweiten Momente vorhanden, so existieren die Grenzwerte $K_i =$

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1/2.

JIRINA, Miloslav

2.

$\lim_{t\to\infty}(Q_t(t)/R^t)$, und die bedingten Wahrscheinlichkeitsverteilungen $P_{\varepsilon_t}^{n}(t)/Q_t(t)$ konvergieren gegen Wahrscheinlichkeitsverteilungen, deren erzeugende Funktionen $F_t^*(x)$ der Funktionalgleichung $F_t^*(F(1,x))=RF_t^*(x)+1-R$ genügen und die ersten Momente $(\mu_t\nu_k)/K_t$ haben. Ein entsprechender Satz gilt im Falle kontinuierlicher Parameter, wobei an die Stelle der Funktionalgleichung eine partielle Differentialgleichung tritt. — Die Theorie der Verzweigungsprozesse wird schließlich auf den Fall des asymptotischen Gleichgewichts eines Systems von Teilchen angewandt, die alle aus einem System von Teilchen T_0 entstehen, falls die Anzahl der Teilchen T_0 wächst und die Übergangsgeschwindigkeiten klein werden. Unter geeigneten Voraussetzungen wird die Existenz eines asymptotischen Gleichgewichts bewiesen, und die erzeugende Funktion und die Momente der Gleichgewichtsverteilung werden berechnet. *K. Krickeberg* (Hamburg).

Jus
3/2

SRAIER, V.; JIRINA, M.

Evaluation of a method for chain breaking in the block polymerization of n - butyl methacrylate. Coll Cz Chem 25 no.9:2296-2306 S '60. (EEAI 10:9)

1. Institut fur Kernphysik, Tschechoslowakische Akademie der Wissenschaften, Prag und Mathematisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag.

(Polymers and polymerization) (Butyl methacrylate)

IRZHINA, Miloslav [Jirina, Miloslav]

Harmonizable solutions of ordinary differential equations with random coefficients and random right-hand side. Chekhosl mat zhurnal 13 no.3:360-371 S '63.

1. Matematicky ustav, Ceskoslovenska akademie ved, Praha 1, Zitna 25.

JIRINA, Miloslav

Remark on infinitely divisible nonnegative distributions. Cas pro pest mat 89 no.3:347-353 Ag '64.

1. Institute of Mathematics, Czechoslovak Academy of Sciences, Prague 1, Zitna 25.

JIRINA, Miloslav

"The theory of branching processes" by Theodor E. Harris. Reviewed by Miloslav Jirina. Aplikace mat 9 no.6:470-472 '64.

JIRINEC, Miloslav, inz.

Precision of trigonometric survey of facade elevations. Geod kart obzor 11 no.2:40-44 F '65.

1. State Institute of Monument Care and Nature Protection, Prague.

JIRINEC, J.

Graphic determination of the exchange of targets in intersecting. p. 133.
(Geodeticky A Kartograficky Obzor, Vol. 2, No. 7, Jul 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol 6, No. 8, Aug 1957, Uncl

L 11220-66

ACC NR: AP6004789 SOURCE CODE: CZ/0021/65/000/002/0040/0044

AUTHOR: Jirinec, Miloslav (Engineer)

ORG: State Institute for the Care of Historical Monuments and Protection of Nature, Prague (Statni ustav pamatkove pece a ochrany prirody)

TITLE: Precision of trigonometrical surveying of elevations on facades

SOURCE: Geodeticky a kartograficky obzor, no. 2, 1965, 40-44

TOPIC TAGS: geographic survey, geodesy, geodetic survey

ABSTRACT: The article presents a method of determining the error of measurement in surveying the elevations of facades on buildings of historical interest. Orig. art. has: 5 figures, 13 formulas, and 2 tables. [JPRS]

SUB CODE: 08 / SUBM DATE: none / ORIG REF: 003 / SOV REF: 002

Card 1/1 UDC: 528.1.089:930.28

JIRINEC, Miloslav, inz.

Survey documentation of historical monuments. Geod kart obzor 10 no.9/10:246-247 O '64

40208

S/081/62/000/015/008/038
B168/B101

5.3700

AUTHORS: Jirinec, S., Bazant, V., Chvalovsky, V.

TITLE: Organosilicon compounds. XXVII. Reduction of alkoxychlorosilanes by metal hydrides

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 15, 1962, 256 - 257, abstract 15Zh286 (Collect. Czechosl. Chem. Communs, v.26, no. 7, 1961, 1815 - 1825)

TEXT: The reduction of $(RO)_3SiCl$ (Ia-c, where (a) R = C_2H_5, (b) R = iso-C_3H_7, (c) R = tert-C_4H_9), $R_2SiCl(OR')$ (IIa-c, where (a) R = R' = C_2H_5; (b) R = C_2H_5, R' = tert-C_4H_9; (c) R = R' = CH_3) and $C_6H_5SiCl(OC_3H_7\text{-iso})_2$ (III) by the action of $LiAlH_4$ (IV), $LiAl(tert\text{-}C_4H_9O)_3H$ (V) and $NaB(OCH_3)_3H$ (VI) was studied. The Si-Cl bond was reduced much more easily than the Si-OR bond; hence the alkoxychlorosilanes could be reduced selectively to the corresponding alkoxyhydridesilanes. When IV and VI were used

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Organosilicon compounds. ...

the reduction was accompanied by condensation reactions and regroupings, as a result of which the alkoxyhydridesilanes could not be isolated. When V was used the role played by the side reactions diminished, although in the case of the ethoxy derivatives the (C_2H_5O) groups were partially substituted by (tert-C_4H_9O) groups. The influence of the structure and number of R-Si bonds on the reactive capacity of alkoxychlorosilanes was studied. When alkoxychlorosilanes reacted with anhydrous $AlCl_3$ the corresponding alkylchlorides were produced. 43 ml ether solution of 37.7mmple IV was added to a solution of 0.151 mole Ia in 150 ml ether in an N_2 atmosphere (-70°C, 3 hr); after agitation for 30 hr the temperature of the mixture was raised to 20°C (0.771 g SiH_4 being liberated during this period) and 1.1 g of the initial Ia and 2.5 g $(C_2H_5O)_4Si$ (VII) were isolated by distillation of the filtrate. Reduction of 45 g Ia with an excess of V in tetrahydrofuran (60-100 hr) produced $(C_2H_5O)SiH$. The following figures in reference to the substances isolated are given in the order yield in %, boiling point in °C/mm, n_D^{25}, d_4^{25}: 2.9, 38-42/21, 1.6796, -; $(C_2H_5O)_2$(tert-C_4H_9O)SiH, 12.6, 46-47.5/13, 1.3826, 0.864; (C_2H_5O) (tert-$C_4H_9O)_2SiH$, 10.6, 57-58/13, -, -; VII, 24, 59-60/13, 1.3810, 0.920, and SiH_4. Reduction of 35 g Ib by the

Organosilicon compounds. ...

action of V produced $(iso\text{-}C_3H_7O)_3SiOSiH(O\text{-}C_3H_7\text{-}iso)_2$, 4, 78-79/3.5, 1.3907, 0.950; $(iso\text{-}C_3H_7O)_6Si_3H_2O_2$, 3.3, 120-123/4, 1.3940, 0.964, $(iso\text{-}C_3H_7O)_4Si$, 21.5, 82/18.5, 1.3840, 0.873, and SiH_4. Under these conditions Ic remained unchanged. Reduction of 41.5 g IIa by the action of V resulted in $(C_2H_5)_2SiH_2$, 4.8, -, -; -; $(C_2H_5)_2SiH(OC_2H_5)$, 29.7, 53-54/89, 1.3989, 0.786; $(C_2H_5)_2SiH(OC_4H_9\text{-}tert)$, 10.7, 55.5-56/38, -,-; $(C_2H_5)_2Si(OC_2H_5)_2$, 11.4, 72-73/38, 1.3987, 0.858; $(C_2H_5)_2Si(OC_2H_5)(OC_4H_9\text{-}tert)$, 1.2, 58-60/13, -, -; and $[(C_2H_5)_2HSi]_2O$, 9.3, 55-56/13, -, 0.797. Reduction of 39 g IIb under corresponding conditions produced $(C_2H_5)_2SiH(OC_4H_9\text{-}tert)$, 32.2, 58-58.5/49, 1.4031, 0.793; $(C_2H_5)_2Si(OC_4H_9\text{-}tert)_2$, 1.7, 82.5-83.5/49, -, -; $[(C_2H_5)_2HSi]_2O$, 21, 56-58/13, 1.4170, 0.821, and $(C_2H_5)_2Si[OSi(C_2H_5)_2H]_2$, 8.1, 85.5/2.5, 1.4189, 0.871. Reduction of 26 g III under the same conditions resulted in $C_6H_5SiH_3$, 2.6, 53-55/100, -, -; $C_6H_5SiH(OC_3H_7\text{-}iso)_2$, 4.5, 74-76/3, -, -; $C_6H_5SiCl(OC_3H_7\text{-}iso)_2$, 8.5, 87-89/3.5, -, -;

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$C_6H_5Si(OC_3H_7\text{-iso})_3$, 19.5; 82-83/1.3, 1.4493, 0.945, and $[C_6H_5SiH(OC_3H_7\text{-iso})]_2O$, 5.8, 130-135/0.9, -, -. Reduction of 17.2 g IIc by the action VI produced $(CH_3)_2SiH_2$, yield 40.3%, $(CH_3)_2SiCl_2$, yield 2.9%, and $(CH_3)_2Si(OCH_3)_2$, 36.8, 74/740, 1.3699, 0.861. 1 g anhydrous $AlCl_3$ was added to 5 g Ia (72-90°C, 110 min.) and the reaction products yielded 1.3 g C_2H_5Cl. Under analagous conditions $(C_2H_5O)_2SiCl_2$ and $AlCl_3$ (78 min.) yielded 93% C_2H_5Cl; Ib and $AlCl_3$ (12 min.) produced iso-C_3H_7Cl, yield 86%; $(\text{iso-}C_3H_7O)_2SiCl_2$ and $AlCl_3$ (6 min.) yielded 98% iso-C_3H_7Cl; IIa and $AlCl_3$ (300 min.) yielded 39% C_2H_5Cl. Report XXVI, see RZhKhim, 1962, 14Zh298. [Abstracter's note: Complete translation.]

JIRINEC, Vaclav, inz.

Motor rooms in rolling mills. Elektrotechnik 17 no.11:306-307 N '62.

1. Leninovy zavody, Plzen.

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, H.

Haemodynamic changes underlying pressor reactions in man. Rev. Czech. M. 4 no.3:170-179 1958.

1. Institute for Cardiovascular Research, Prague Director: Prof. K. Weber.

(BLOOD PRESSURE, physiology
hemodynamic changes underlyign pressor reactions)

JIRKA, J
(3930)

Vliv teploty na dychani zabi kuze Effect of heat on cutaneous respiration of the frogCasopis Lekaru Ceskych, Prague 1949, 88/2 (40-44)

The influence of temperatures between 1 degree and 40 degrees C. was investigated by Warburg's method. The rise of metabolism due to progressive increase in temperature follows the formula of Belehraded $y = \frac{a}{t-z}^{b}$, the temperature coefficient b being 2.01, and the biological zero x being in this case - 8 C. The inflexion of the curve is around 38 degrees C. (= maximum metabolism). The oecologic optimum is between 10 degrees and 20 degrees C. At lowest and supraoptimal temperatures the time factor -- varying with temperature plays an important role.

Kruta-Hradec Kralove

So: Excerpta Medica, Vol II, No. 8, Section II, August 1949

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.

Hemodynamic basis of pressor reactions in man. Cesk. fysiol. 7 no.5: 434-435 Sept 58.

1. Ustav pro choroby obehu krevniho, Praha.
(BLOOD PRESSURE, physiol.
hemodynamic basis of pressor reactions (Cz))

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.

A new method of complex hemodynamic investigation in man. Cesk. fysiol. 7 no.5:435-436 Sept 58.

1. Ustav pro choroby obehu krevniho, Praha.
(BLOOD CIRCULATION,
complex hemodynamic exam. (Cz))

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.; MADLAFOUSEK, J.

Changes of muscle and skin blood supply in the forearm during emotional stress. Cesk. fysiol. 7 no.5:437-438 Sept 58.

1. Ustav pro choroby obehu krevniho, Praha.
(BLOOD CIRCULATION,
hemodynamic changes in forearm in emotional stress (Cz))
(EMOTIONS, effects,
on hemodynamics of forearm (Cz))

JIRKA, J.

Studies on the mechanism of renal vasoconstriction in stress. Cesk. fysiol. 7 no.5:488-489 Sept 58.

1. Ustav pro choroby odehu krevniho, Praha.
(STRESS, eff.
on renal vasocons riction (Cz))
(KIDNEYS, blood supply,
eff. of stress on vasoconstriction (Cz))

JIRKA, J.

"A symposium on the nervous regulation of kidney activity, Berlin, March 28-30, 1958"

Ceskoslovenska Fysiologie. Praha, Czechoslovakia. Vol. 8, no. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

BROD, J.;FENCL, V.;HEJL, Z.;JIRKA, J.

Changes in rest hemodynamics in hypertension with special reference to its pathogenesis. Cesk. fysiol. 8 no.5:394-395 S '59

1. Ustav pro choroby obehu krevniho, Praha.
(HYPERTENSION, etiol.)

FENEL, V.;HEJL, Z.;JIRKA, J.;BROD, J.

Regional vascular reactions in progressive muscular effort in normal human subjects. Cesk. fysiol. 8 no.5:400-401 S '59

1. Ustav pro choroby obehu, krevniho, Praha.
(EXERTION eff.)
(BLOOD CIRCULATION physiol.)

JIRKA, J.;FENCL, V.;HEJL, Z.;BROD, J.

Hyperemia of the skin of the forearm during muscle effort in normal human subjects. Cesk. fysiol. 8 no.5:413-414 S '59

1. Ustav pro choroby ubehu krevniho, Praha.
(EXERTION eff.)
(MUSCLES blood supply)
(VASOMOTOR SYSTEM physiol.)

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.

Changes in blood pressure during progressive muscular effort in normal human subjects. Cas.lek.cesk. 98 no.49/50:1521-1525 4 D '59.

1. Ustav pro choroby obehu krevniho Praha-Krc, reditel prof. MUDr. Kl. Weber.
(BLOOD PRESSURE physiol.)
(EXERTION eff.)

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.; BARTONICEK, M.; KOTANOVA, E.; s technicou spolupraci CHRPOVE, V.; KRAUSOVE, E.; VANICKOVE, M.

Average arterial pressure and the magnitude of pressure amplitude and pulse rate. Cas.lek.cesk. no.13:389-394 '60.
(BLOOD PRESSURE)
(PULSE)

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.

The pathogenesis of essential hypertension. Rev. czech. M. 8 no.2: 82-100 '62.

1. Institute for Cardiovascular Research, Prague; Director: Academician K. Weber.

(HYPERTENSION etiology)

CORT, J.H.; FENCL, V.; JIRKA, J.

Factors influencing renal excretion in health and disease. Rev. czech. M. 8 no.2:108-112 '62.

1. Institute for Cardiovascular Research, Prague; Academician K. Weber.
(KIDNEY physiology)

FENCL, Vladimir; GANZ, Vilem; CORT, Josef H.; JIRKA, Jiri; technicka spoluprace HORACKOVE, D.; HRABETOVE, J.; KOTRBATE, M.; VANICKOVE, V.

Modification of the renal fraction of the minute volume in hemorrhagic hypotension in the dog. Cas. lek. cesk. 101 no.34:1025-1027 24 Ag '62.

1. Ustav pro choroby obehu krevniho v Praze, reditel doc. dr. J. Brod, DrSc.

(BLOOD VOLUME) (KIDNEYS) (HYPOTENSION)
(HEMORRHAGE)

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.; PRAT, V.; statisticka spoluprace BARTONICEK, M.

Results of long-term treatment of chronic glomerulonephritis with corticoids. Cas. lek. cesk. 101 no.45:1332-1338 9 N '62.

1. Ustav pro choroby obehu krevniho v Praze, reditel doc. dr. J. Brod, DrSc.

(GLOMERULONEPHRITIS) (CORTICOTROPIN) (CORTISONE) (PREDNISONE)

JIRKA, J.

CZECHOSLOVAKIA

PRAT, V; FENCL, V; JIRKA, J.

Institute of Circulatory Diseases (Ustav pro choroby obehu krevniho), Prague-Krc (for all)

Brno, Vnitrni lekarstvi, No 9, 1963, pp 843-849

"The Clinical Picture and Course of Chronic Renal Failure in Chronic Glomerulonephritis and in Chronic Pyelonephriti s."

BROD, J.; FENCL, V.; HEJL, Z.; JIRKA, J.; PRAT, V.

Results of long-term treatment of chronic glomerulonephtitis with corticoids. Acta med. acad. sci. hung. 19 no.2:117-125 '63.

1. Institute for Cardiovascular Research (Director: Prof. J. Brod) Prague, Czechoslovakia.
(GLOMERULONEPHTITIS) (KIDNEY FUNCTION TESTS)
(CORTISONE) (PREDNISONE) (CORTICOTROPIN)

CZECHOSLOVAKIA

JIRKA, J., Institute for Blood-Circulation Diseases (Ustav pro choroby obehu krevniho), Prague, Docent Dr J. BROD, Dr of Sciences, director.

"Consequences of the Loss of Water in Organism"

Prague, Casopis Lekaru Ceskych, Vol CII, No 26, June 63, pp 720-722.

Abstract [Author's English summary, modified]: The most common causes of water deficit are described (without simultaneous Na deficit), and presented is the pathophysiological and clinical picture. Diagnosis is relatively simple if history and physical examination are correctly analyzed; laboratory test may not be necessary. A comparison is made between effect of pure water deficit and mixed water-and-salt deficit. Water deficit is often combined with K deficit. Potassium must be therefore applied in rehydration. Graph.

1/1

JIRKA, J.

Results of loss of pure water from the body. Cas. lek. cesk. 102 no.26:720-722 28 Je '63.

1. Ustav pro choroby obehu krevniho v Praze, reditel doc. dr. J. Brod, DrSc.
(WATER-ELECTROLYTE BALANCE)
(HYPONATREMIA) (HYPOKALEMIA)

JIRKA, J.; FENCL, V.; HURYCH, J.; HORNYCH, A.

Intermittent peritoneal dialysis. Cas. lek. cesk. 103 no.47: 1289-1299 20 N '64.

1. Ustav pro choroby krevniho, Praha-Krc, (reditel prof. dr. J. Brod, DrSc.).

JIRKA, J. Technicka spoluprace: HORACKOVA, D.; KOTRBATA,M.; SAFAROVA,S.

On administration of Psychoton in chronic renal insufficiency.
Cas. lek. cesk. 104 no.3:71-75 22 Ja '65

1. Ustav pro choroby obehu krevniho v Praze-Krci (reditel - prof. dr. J. Brod. DrSc.).

BROD, J., prof. dr., DrSc.; HEJL, Z.; ULRYCH, M.; JIRKA, J.

Hemodynamics of the vascular bed of muscles in cardiac insufficiency.
Cas. lek. cesk. 104 no.11:281-286 19 Mr'65.

1. Ustav pro choroby obehu krevniho v Praze (reditel: prof. dr.
J. Brod, DrSc.).

JIRKA, Jindrich

Traditional place for quality production. Pod org 17 no.8:337-339 Ag 63.

JIRKA, Milan

Immunoelectrophoresis of proteins in sweat and on the problem of its use in the laboratory diagnosis of mucoviscidosis. Acta Univ. Carol. [med.] (Praha) 10 no.1:69-74 '64

1. Ustav vyzkumu vyvoje ditete fakulty detskeho lekarstvi University Karlovey v Praze; reditel: prof. MUDr. J. Houstek, DrSc.

JIRKA, M.; RICHTER, A.F.

Porphyrin as a byproduct in preparation of diphtheria toxins.
Cas.cesk.lek.Ved.priloha 63 no.9-12:213-219 Dec 1950. (CIML 20:9)

1. Of the Second Institute of Medical Chemistry (Head--Prof. A.F. Richter, M.D.) of Charles University, Prague.

JIRKA, M.

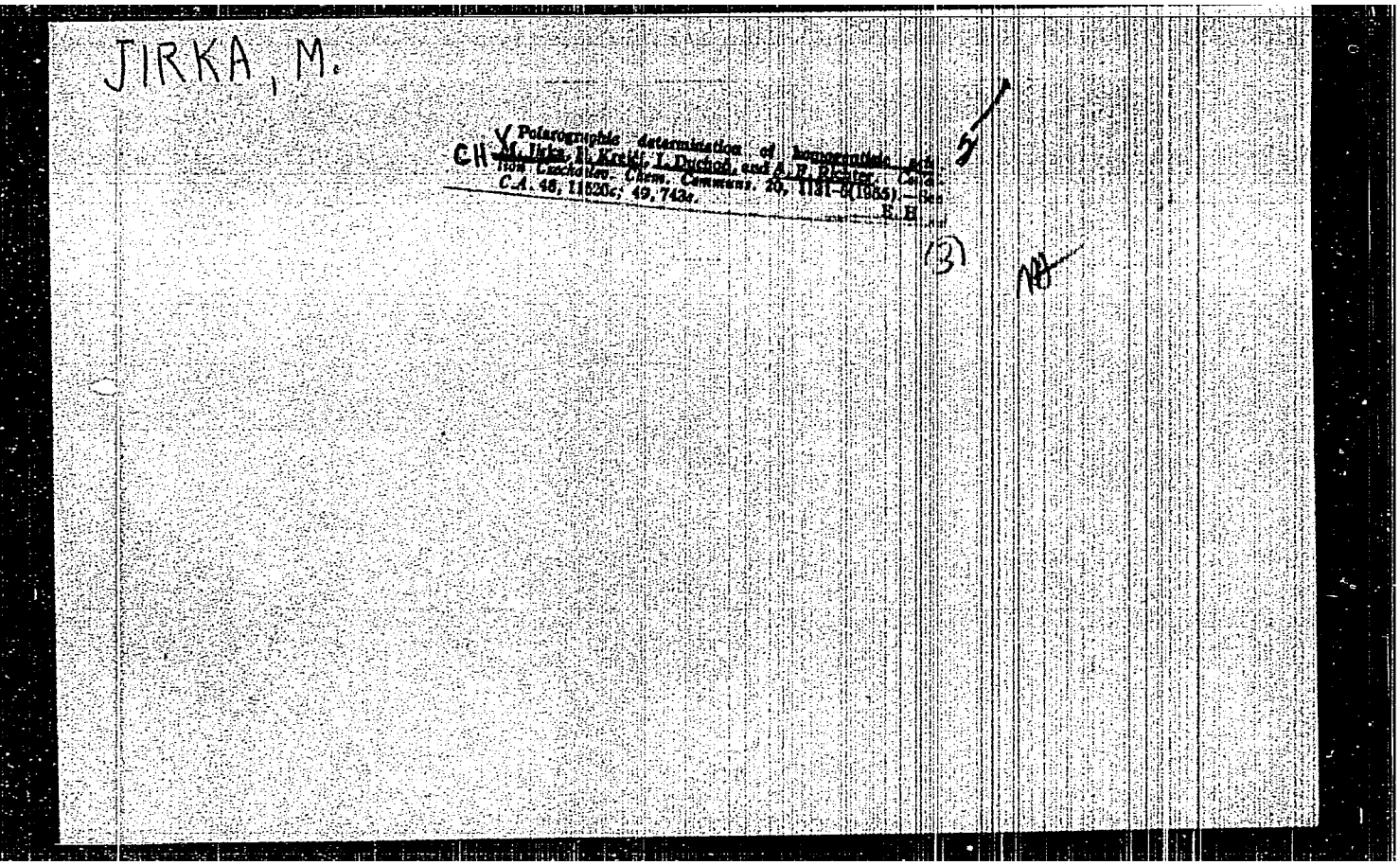
Polarographic study of homogentisic acid. [illegible] Krejčí and M. Jirka ([illegible]). [illegible] 1411-[illegible]. —Homogentisic acid (I) forms an anodic wave equal to the wave of quinol (II) of the same concn.; the height is independent of pH. The effect of pH on the half-wave potential is linear in the range of pH [illegible]-7.5 with a slope [illegible] mv./pH unit. At pH [illegible] the half-wave potential of I is [illegible] mv. more [illegible] than that of II; [illegible] that the two compds. are not separable [illegible]. Oxidation of I gives *quinoneacetic acid*. M. [illegible]

JIRKA MILAN

The metabolism of homogentisic acid. I. The importance of homogentisic acid in the metabolism of tyrosine and phenylalanine. II. Polarographic estimation of homogentisic acid in alkaptonuric urine. Jiří Ducháň, Milan Jirka, Eduard Krejčí, and Antonín Felix Rechl. (Ústav lékařskou chem., Prague). *Časopis Lékařů Českých* 93, 501–502(1954).—A comprehensive review on the biochemistry and pathology of tyrosine, phenylalanine, adrenaline, melanins, thyroxine, and homogentisic acid (I). The importance of I as the normal intermediate in tyrosine metabolism is emphasized. Methods for the estn. of I are discussed. Polarographic behavior of pure I is described and compared with that of hydroquinone. Both yield an anodic diffusion wave; sensitivity $4 \times 10^{-6} M$; the difference of $\pi_{1/4}$ by 45 mv. (0.1*M* acetate pH 4.7) does not allow their separate estn. in mixts. I can be estd. in 0.2 cc. urine after paper chromatographic sepn. (BuOH, AcOH, water 4:1:5 or benzene, BuOH, water 5:1:10), detection by ammoniacal $AgNO_3$ or *o*-phenanthrolin-Fe(III); polarography is performed at pH 5.6 under N. The scatter of a single estn. corresponds to ±5.2%. Cathodic wave of I reported by Neuberger, *et al.* (*C.A.* 42, 3005g) could not be detected. 118 references.

Ivo M. Heard

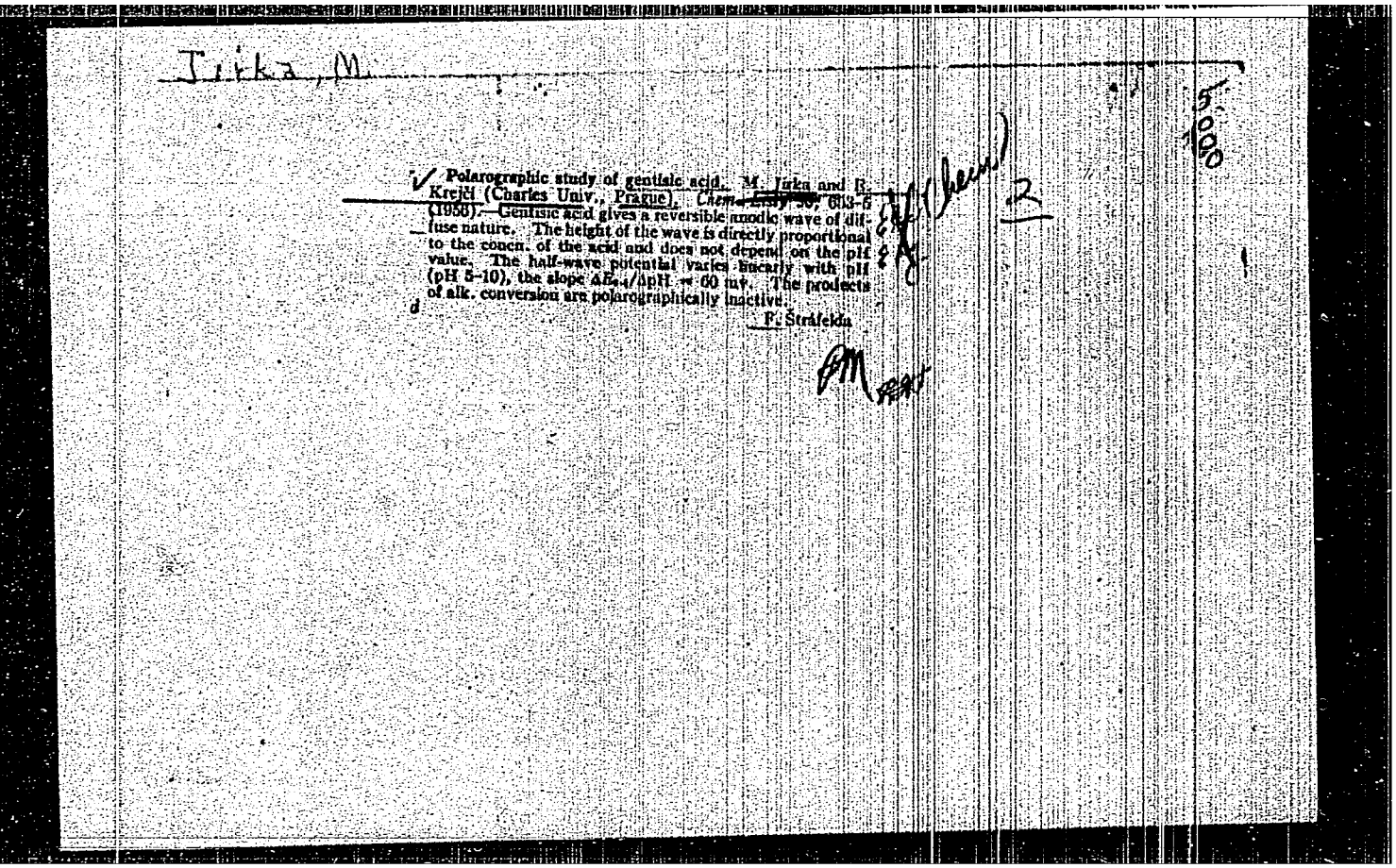
(3)



JIRKA, M.; K anotaci Dr V. Hoeniga a V. Dostalove

A simple and exact test for determination of bilirubin in urine.
Prakt.lek., Praha 35 no.7:165-166 5 Apr 55.

1. Z II. ustavu pro chemii lekarskou Karlovy university v Praze.
Prednosta MUDr A.F.Richter.
(URINE
bilirubin determ., simple method)
(BILIRUBIN, in urine,
determ., simple method)



Jirka, M.

Polarographic study of gentisic acid. M. Jirka and R. Krejčí (Charles Univ., Prague). *Chem. Listy* 50, 613-6 (1956).—Gentisic acid gives a reversible anodic wave of diffuse nature. The height of the wave is directly proportional to the concn. of the acid and does not depend on the pH value. The half-wave potential varies linearly with pH (pH 5-10), the slope $\Delta E_{1/2}/\Delta pH = 60$ mv. The products of alk. conversion are polarographically inactive.

P. Strafelda

Country : Czechoslovakia H-17
Category= :

Abs. Jour. : 46870

Author : Jirka, M.
Institut. :
Title : Polarographic Determination of Gentisic Acid in Pharmaceutical Preparations

Orig. Pub. : Ceskosl. farmac., 1957, 6, No 10, 609-610

Abstract : A dragée containing ~0.3 g Na-salt of gentisic acid is ground in a mortar and extracted 3 times with water. The solution is filtered and adjusted to 100 ml. 0.1 ml of this solution mixed with 4.9 ml carbonate electrolyte (1 part by volume 0.05 M Na_2CO_3 and 9 parts by volume 0.1 M $NaHCO_3$) and subjected to polarography. See RZhKhim, 1957, No 5, 14919. -- T. Zvarova.

Card:

H-43

JIRKA, M.

JIRKA, M.; KOTAS, J.

Mucoproteins in exocrine & apocrine human sweat. Cas. lek. cesk. 97 no.6-7:232-234 14 Feb 58.

1. II ustav pro chemii lekarskou KU v Praze, prednosta prof. A.F. Richter.

(SWEAT
mucoproteins in exocrine & apocrine sweat (Cz))
(PROTEINS
same)

JIRKA, M.

Polarographic estimation of gentisic acid in biological material. Cas. lek. cesk. 97 no.6-7:237-239 14 Feb 58.

1. II ustav pro chemii lekarskou KU v Praze, prednosta prof. A. F. Richter.
(GENTISATES, determ.
gentisic acid in biol. material, polarography (Cz))

JIRKA, M.: KOTAS, J.

"Contribution to the composition of horse sweat"

Ceskoslovenska Fysiologie. Praha, Czechoslovakia. Vol. 8, No. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

JIRKA, M.; KOTAS, J.; SKRAMOVSKY, V.

Contribution to the excretion of proteins with sweat. Cas.lek.cesk 100 no.7:107-109 17 F '61.

1. II. ustav pro lekarskou chemii KU v Praze, prednosta prof. MUDr. A. F. Richter, doktor lekarskych ved a Oddeleni pro klinickou chemii, prednosta prof. MUDr. J. Sula, doktor lekarskych ved.

(SWEAT chem) (PROTEINS metab)

JIRKA, M.

Recent findings on the biochemistry of alkaptonuria. Cas. Lek. Cesk. 101 no.9:277-281 2 Mr '62.

1. II ustav pro lekarskou chemii KU v Praze, prednosta prof. MUDr. J. Sula, DrSc.

(ALKAPTONURIA)

JIRKA, M.; KOTAS, J.; KRIZEK, V.

Concentration of sodium, potassium and total nitrogen in perspiration from the back and axilla during thermoregulation. Cas. Lek. Cesk. 101 no.15:473-475 13 Ap '62.

1. II ustav pro chemii lekarskou KU, Praha, prednosta prof. dr. J. Sula, Ustredni laborator detske fakultni nemocnice pod Petrinem, Praha, prednosta MUDr. J. Kotas. Vyzkumny ustav balneologicky, Marianske Lazne, prednosta prof. dr. K. Prerovsky.

(SWEAT chemistry) (POTASSIUM chemistry)
(SODIUM chemistry) (NITROGEN chemistry)

JIRKA, M.

Alkaptonuria as a disorder of aromatic amino acid metabolism.
Cesk. pediat. 18 no.5:425-429 My '63.

1. Ustav vyzkumu vyvoje ditete pri fakulte detskeho lekarstvi KU v Praze, reditel prof. dr. J. Houstek.
(ALKAPTONURIA) (PROTEIN METABOLISM DISORDERS)
(METABOLIC DISEASES) (AMINO ACIDS)

is excreted by glomerular filtration and tubular secretion and corresponds to the clearance of p-aminohippuric acid. Benemid reduces the excretion. Gentisic acid is reabsorbed by the tubules, thereby differing from the mechanism shown by homogentisic acid. Its transport through the tubular cells proceeds in the opposite direction.
4 Figures, 5 Tables, 11 Western, 15 Czech, 3 Japanese references.
(Ms. rec. Mar 66).
1/1

CZECHOSLOVAKIA

PELIKAN, V., Prof, MD, Candidate of Sciences, KALAB, M., and JIRKA, Z., Institute for the Physical Culture Medicine (Ustav telovychovneho lekarstvi), Faculty of Medicine (Lekarska fakulta), Palacky University, Olomouc, Prof. V. PELIKAN, MD, Candidate of Sciences, director.

"Tryptophane Metabolism in Sports"

Prague, Casopis Lekaru Ceskych, Vol CII, No 35, 30 August 63, pp 967-969.

Abstract [Authors' English summary]: The paper deals with the elimination of xanthurenic acid in three groups of persons after an intake of 5 grams of dl-tryptophane. The possibility was studied of affecting the tryptophane metabolism by high doses of vitamin B_6. Experiments confirmed that sports activities increase the elimination of tryptophane metabolites. The results prove that it is necessary to secure a sufficient intake of pyridoxine as a supplement of food containing large quantities of tryptophane. Twenty-eight references, including 2 Czech and 1 Russian.

PELIKAN, V.; KALAB, M.; NOVOSADOVA, J.; JIRKA, Z.

Determination of tryptophan metabolism during sports activity.
Cas. lek. cesk. 102 no.35:967-969 30 Ag '63.

1. Ustav telovychovneho lekarstvi lekarske fakulty PU v Olomouci, prednosta prof. dr. V. Pelikan, CSc.
(TRYPTOPHAN) (METABOLISM) (EXERTION)
(XANTHURENATES) (SPORT MEDICINE)

L 37793-66 EWP(j) IJP(c) RM

ACC NR: AP6028858 SOURCE CODE: CZ/0008/65/000/010/1201/1222

38
4

AUTHOR: Stepek, Jiri; Jirkal, Cenek

ORG: College for Chemical Technology, Prague (Vysoka skola chemicko-technologicka)

TITLE: Thermal and photostability and stabilization of polyvinyl chloride 15

SOURCE: Chemicke listy, no. 10, 1965, 1201-1222

TOPIC TAGS: polyvinyl chloride, organotin compound, polymer, plasticizer

ABSTRACT: Protection of polyvinyl chloride product during manufacturing operations are reviewed. Protection against oxygen and requirements for plasticizers are discussed. Stabilizers based on metal salts, synergic mixtures of metal stabilizers, stabilizers based on organostannates, mechanism of protection by the organostannates, and the synergic effect of the organostannate stabilizers are discussed. Organic stabilizers are evaluated. Protection of the polymer from UV light is discussed. Antioxidants liberating hydrogen and those of the amine type that effect protection by combining with undesirable radicals, and reactions caused in the polymer due to the use of the discussed chemicals are reviewed. Orig. art. has: 9 formulas. [JPRS: 33,544]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 008 / SOV REF: 011
OTH REF: 155

Card 1/1 0917 2382

S/081/62/000/024/050/052
B166/B186

AUTHORS: Vymazal, Zdeněk, Jirkal, Čeněk

TITLE: Macromolecular compounds as organic semiconductors

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 1061, abstract 24R197 (Kaučuk a plast. hmoty, no. 1, 1962, 8-11 [Czech.])

TEXT: Review. Two methods of producing organic semiconductors with a system of conjugated double bonds are discussed: the synthetic and the degradation methods. 14 references. [Abstracter's note: Complete translation.]

Card 1/1

THAI-DUY-BICH; PIACHY, V.; JICHA,J.; JIRKALOVA, V.

The activity of lactate dehydrogenase and malate dehydrogenase in babies and their changes in diarrheal diseases. Cesk. pediat. 20 no.7:588-593 Jl '65.

1. Detska klinika lekarske fakulty Karlovy University v Hradci Kralove (prednosta prof. dr. J. Blecha, DrSc.) a Ustredni biochemicke laboratore fakultni nemocnice v Hradci Kralove (vedouci MUDr. J. Jicha).

JIRKALOVA,V.; ANTALOVSKA,Z.; Technicka spoluprace KODES, F.

A method for the quantitative determination of tetracycline antibiotics in hard dental tissues. Cesk. stomat., 65 no.2: 137-140 Mr '65

1. Ustredni biovhemicke laboratore Krajskeho ustavu narodniho zdravi Vychodoceskeho kraje v Hradci Kralove (vedouci - MUDr. J. Jicha) a Stomatologicka klinika lekarske fakulty Karlovy University v Hradci Kralove (prednosta - prof. dr. L. Sazama).

JIRKOVA, R.; KODOUSEK, R.

Plasmocytic myeloma with cryoglobulinemia and skin changes. Cesk. derm. 36 no.1:41-44 F '62.

1. Dermatovenerologicka klinika, prednosta prof. MUDr. G. Lejhanec Pat.-anat. ustav lek. fak. Palackheo university v Olomouci, zast. predn. MUDr. R. Kodousek.
(MYELOMA PLASMA CELL pathol) (SKIN pathol) (SERUM GLOBULIN)

JIRKOVA, R.; CERNA, I.; ROTHSCHILD, L.

Chromidrosis. Cesk. derm. 37 no.3:168-170 Je '62.

1. Dermatovenerologicka klinika lekarske fakulty University Palackeho v Olomouci, prednosta prof. dr. G. Lejhanec Mikrobiologicky ustav lekarske fakulty University Palackheo v Olomouci, prednosta doc. RNDr. E. Marsalek.

(SWEATING)

JIRKOVSKY, I.; PROTIVA, M.

Synthetic tests in the group of active hypotensive alkaloids. Pt.33. Coll Cz Chem 29 no.2:400-409 F '64.

1. Research Institute of Pharmacy and Biochemistry, Prague.

JIRKOVSKY, B.

National conference on the use of radioisotopes in mechanical engineering and metallurgy. Jaderna energie 9 no.1:35 Ja '63.

JILEK, J.O.; POMYKACEK, J.; JIRKOVSKY, I.; PROTIVA, M.

Synthetic ataractics. X. Improved methods of preparation of phenoharman. Cesk. farm. 13 no.5:229-233 Je'64

1. Vyzkumny ustav pro farmacii a biochemii, Praha.

CZECHOSLOVAKIA

JIRKOVSKY, I; ERNEST, I; PROTIVA, M.

Research Institute of Pharmacy and Biochemistry (Forschungsinstitut fuer Pharmazie und Biochemie), Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 10, 1965, pp 3355-3359

"Synthetic Experiments in the Group of Hypotensively Active Alkaloids. XXXVII. New Phenohydroxyacetic Acid - and Phenylmercaptoacetic Acide Esters of Methylreserpate."

JIRKOVSKY, J.

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CA

Planochronometry, a new rapid method of quantitative analysis. J. Jirkovský (Tech. Univ. Mining, Ostrava, Czech.). Sbornik celostátní Konf. Anal. Chemiků 1, 22-4(1953)(Pub. 1954). — A rapid method for the analysis of steel and other alloys, which saves time by avoiding the weighing of samples, is presented. E.g., to det. S in steel, a sample of molten steel is solidified and cut in such a way that the sample disks obtained have a standard surface area. This disk is then immersed in dil. boiling acid in a flask on an elec. hot plate, the flask is quickly stoppered, and the escaping H_2S is led through an outlet tube into a test tube or cuvette contg. a color reagent. The solution of the sample is continued for exactly 30 sec., by stop watch, and then the S in the cuvette is detd. colorimetrically. J. N.

JIRKOVSKY, J.

CZECHOSLOVAKIA

PROTIVA, M; JILEK, J; POMYKACEK, J; JIRKOVSKY, J; VEJDELEK, Z.

Research Institute of Pharmacy and Biochemistry (Forschungsinstitut für Pharmazie und Biochemie), Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 10, 1963, pp 2627-2635

"Synthetic Analgetica V. Synthetic Experiments on a Base of 4-phenyl-4-Carbethoxypiperidine (Norpethidine)."

(5)

JIRKOVSKY, J.; PROTIVA, M.

Synthetic experiments in the group of hypotensive active alkaloids. Pts. 27-28. Coll Cz Chem 28 no.10:2577-2587 O '63.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.

PROTIVA, M.; JILEK, J.O.; POMYKACEK, J.; JIRKOVSKY, J.; VEJDELEK, Z.J.
SEIDLOVA, V.

Synthetic analgesics. Pts. 5-6. Coll Cz Chem 28 no.10:2627-2636, 2821-2824 O '63.

1. Forschung Institut fur Pharmazie und Biochemie, Prag.